

DRAFT - DATES CURRENTLY SPECULATIVE AND UNDER DEVELOPMENT

March 18, 2013

Short-Term To Do List

Hopi Arsenic Mitigation Project (HAMP)

1. Bureau of Indian Affairs/Bureau of Indian Education Commitment to HAMP.

- a. Determine form of BIA/BIE written commitment acceptable to USDA-Resource Development for financing purposes and secure it (March-April).
- b. Prepare and sign specific water marketing agreement w/BIA/BIE (July);
- c. Initiate Supplement to Project Engineering Report:
 - i. Decide on BIA/BIE pipeline connection points for Keams Canyon, Hopi Jr.-Sr. High School, and Second Mesa Day School water systems (April);
 - ii. Select and survey right-of-way corridor for connections to BIA/BIE water systems (April – early May);
 - iii. Do preliminary engineering for pipeline connections (May-June);
 - iv. Reassess estimated costs of pipeline connections (June);
- d. Initiate Supplement for Cultural Survey for BIA/BIE pipeline connections (Late May – early June).
- e. Initiate Expansion of Draft Environmental Assessment for BIA/BIE connections (May).

2. Determine Hopi Tribe's Form of Organization for Overseeing Construction and Managing HAMP and Relationship to Villages.

- a. Discuss in Council (March 25);
 - i. Invite PHS/IHS engineers to make presentation;
 - ii. Invite villages to make presentation;
 - iii. Invite local BIA & school facility managers to participate, including describing their water needs and challenges;
- b. Outreach meetings with First Mesa and Second Mesa Villages and BIA/BIE facility managers (April);
- c. Select form of Organization and enact Hopi Tribe ordinance and initial budget allocation establishing it (end of April);
 - i. Include requirement for payment agreement;
 - ii. Include requirement for protection of access to right-of-way;
- d. Develop memoranda of understanding or agreement with villages to participate in HAMP and pay for wholesaled water (includes any decisions on the appropriate village approval authorities) (April-May);
- e. Select personnel appropriate to form of organization including HAMP manager (May-June).

3. Award Turquoise Well-Drilling Contract.

- a. Hopi Tribe Resolution Approved (March 25);
- b. Contract tendered for signing (March 25);
- c. Contract signed by contractor and Tribe (March 30).

4. Complete USDA-RD Loan and Grant Application (early August).

- a. Determine Tribe's financial commitment to HAMP (April);
- b. Update USDA Application to describe BIA participation, phasing, and USDA-RD proposed loan and grant amounts ("Brief written summary of the project") (April);
- c. Issue public notice of intent to apply for funding;
- d. Complete as much of the application as possible by early May;
 - i. Operating Budget (USDA-RD Form 442-7);
 - ii. Balance Sheet (USDA-RD Form 442-3);
 - iii. Evidence of Organization;
 - 1. Verification that Tribe is federally recognized;
 - 2. Ordinance creating HAMP construction and management entity;
 - iv. Provision of required environmental information (USDA-RD Form 1940-20);
- e. (Longer-term items) (July-August)
 - i. Complete and submit 2011 Audit (July 2012);
 - ii. Initiate 2012 Audit as soon as possible;
 - iii. Submit Final Project Engineering Report (July);
 - iv. Submit Environmental Assessment (August).
 - v. "Written evidence of compliance with Federal and local requirements including:
 - 1. "Organization of the applicant and its authority to own, construct, operate, and maintain the proposed facilities" (depending on level of detail required in bylaws and regulations – if authorizing ordinance adequate, can be done in May);
 - 2. "Authority for borrowing money, giving security therefore, and raising revenues for the repayment thereof" (may be satisfied by ordinance);
 - 3. "Land use zoning;"
 - 4. "Health and sanitation standards and design and installations standards unless exception granted by [USDA-RD]."
 - vi. "Credit Elsewhere" documentation (early May).

5. Complete Project Engineering Report (PER) (July).

- a. Need form of organization (Tribal Council w/agreement and commitments from villages);
- b. Need decisions on powerline extension –
 - i. Who will be providing the power;
 - ii. Who will pay for the construction of the power lines;
 - iii. Who will construct the powerline to the Turquoise wells and main storage tank;
 - iv. Who will construct the powerline to the booster pump stations north of the Hopi Cultural Center;

- v. What will be the routing and right-of-way for the powerline to Turquoise;
 - vi. What will be the routing and right-of-way for the powerline to the booster pump stations;
- c. Will the BIA pipeline connect to HAMP at the FMCV water tank or as a consecutive system through the FMCV water system;
- d. Selection of Mishongnovi/Sipaulovi Tank site (April);
- e. Need commitment to maintain rights-of-way;
- f. Need agreements to pay for water (village agreements w/HAMP organization or Tribe);
- g. Need to address USDA-RD requests from Mike Luecker
 - i. Address arsenic feasibility study (studies?);
 - ii. Provide information on BIA arsenic treatment systems;
 - iii. Modify population trends (note: Decennial Census data: 2010 = 7185; 2000 = 6815; change = 370; rate of change per decade = 5.4%);
 - iv. Discuss existing facilities for villages in PER;
 - v. Address financial status of existing facilities;
 - vi. Address water use trends;
 - vii. Addressed planned community of Tawa'ovi;
 - viii. Add costs for a treatment (arsenic removal) alternative;
 - ix. Add data on Keams Canyon water quality;
 - x. Add additional data to support basis for negative conclusions on arsenic removal systems;
 - xi. Address treatment systems on Second Mesa;
 - xii. Address issue of well rehabilitation on First and Second Mesas
 - xiii. Address how volumes for proposed tanks were determined;
 - xiv. Include notice of violation (note: EPA compliance approach requires development of a compliance agreement at this stage – NOVs and fines come later; include copies of the compliance reports as an appendix and reference them in the text; copies provided);
 - xv. Address compatibility issue with LCR agreement (§6.2.15);
 - xvi. Add present worth life-cycle costs data for O&M;
 - xvii. Clarify how the selected alternative provides the best value; include present worth);
 - xviii. Asks that the PER discuss using existing chlorinators at each mesa;
 - xix. Discuss pipe selection including addressing RD Open and Free Competition requirements;
 - xx. (Section 8.0) Address various questions on the Keams Canyon arsenic mitigation system;
- h. Finalization of project engineering;
- i. Finalization of cost estimates;
- j. Finalization of HAMP operations budget including operations, maintenance, replacement, and payment reserve funds.

6. Complete Final Environmental Assessment (Early August).

- a. Council and village briefings on Environmental Assessment (March 25);

- b. Availability of supplemented cultural report (May);
- c. Availability of supplemental cultural resources report (Late May);
- d. Final routing plan (Late May);
- e. Complete Final Environmental Assessment.

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